



CERTIFICATE OF MAILING  
37 C.F.R. § 1.8

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January 23, 2004

Date

Shelley P.M. Fussey

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Victor C. Yang and Youngro Byun

Group Art Unit: 1646

Serial No.: 10/668,663

Examiner: Unknown

Filed: September 23, 2003

Atty. Dkt. No.: 4100.001482

For: Protamine Fragment Compositions  
and Methods of Use

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the document listed on attached Form PTO-1449 be considered by the Examiner and made of record in the present case. A copy of the listed document required by 37 C.F.R. § 1.98(a)(2) is enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be

construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This application is a divisional application of Serial No. 09/700,967, filed November 16, 2000, which is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), only copies of the document not previously cited and submitted to the U.S. Patent and Trademark Office in prior application Serial No. 09/700,967 is enclosed for the convenience of the Examiner.

The present Supplemental Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits and hence is timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are due in connection with the filing of this Supplemental Information Disclosure Statement; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/4100.001482.

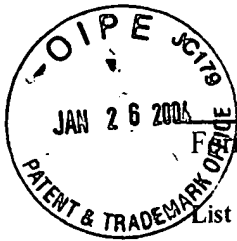
Respectfully submitted,

Williams, Morgan & Amerson, P.C.  
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Date: January 23, 2004



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.  
4100.001400Serial No.  
09/700,967Applicant  
Yang and ByunFiling Date:  
November 16, 2000Group:  
1614U.S. Patent Documents  
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See Page 1Other Art  
See Page 1 and 2

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,747,642	May 5, 1998	DeFelippis	530	304	
	A2	3,758,683	Sept. 11, 1973	Jackson	424	178	

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 96 35444	November 14, 1996	PCT			

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Ando and Watanabe, "A New Method for Fractionation of Protamines and the Amino Acid Sequences of Salmine and Three Components of Iridine," <i>Int. J. Protein Research</i> 1, 221-224, 1969
	C2	Byun <i>et al.</i> , "Low Molecular Weight Protamine: A Potential Nontoxic Heparin Antagonist," <i>Thrombosis Research</i> , 94(1):53-61, 1999; Biosis Abstract.
	C3	Cardin and Weintraub, "Molecular Modeling of Protein-Glycosaminoglycan Interactions," <i>Arteriosclerosis</i> , 9:21-32, 1989.
	C4	Hemostasis and Thrombosis," <i>In: Pharmacology</i> , Rang HP, Dale MM, Ritter JM, Gardner P, eds, pp 331-350, Churchill Livingstone Inc., New York, 1995.
	C5	Patent Abstracts of Japan, 1998:08; June 30, 1998, referencing Japanese Patent Abstract 10 075777.
	C6	Pirhonen <i>et al.</i> , "Primary Structures of Two Protamine 2 Variants ST2A and ST2B from Stallion Spermatozoa," <i>Biochim. Biophys. Acta</i> , 1039(2):177-180, 1990, Biosis Abstract.
	C7	Smith and Kanuer, "A Heparin Binding Site in Antithrombin III," <i>J. Biol. Chem.</i> , 25:11964-11972, 1987.
	C8	Suzuki and Ando, "Studies on protamine XIII: The fraction of clupein Y," <i>J. Biochem.</i> , 63:701-708, 1968.

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)		Atty. Docket No. 4100.001400	Serial No. 09/700,967
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant Yang and Byun	
		Filing Date: November 16, 2000	Group: 1614
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1 and 2</i>	

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C9	WPI Database, week 1986:09; January 20, 1986, referencing Japanese Patent Abstract 61 012265.
	C10	International Search Report for counterpart PCT Application Serial No. PCT/US00/06876, mailed July 24, 2000.

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Form PTO-1449 (modified)

Atty. Docket No.  
4100.001482Serial No.  
10/668,663

List of Patents and Publications for Applicant's

Applicant  
Yang and Byun

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
September 23, 2003Group:  
1653U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page*Other Art  
*See Page*

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A3	6,624,141	September 23, 2003	Yang <i>et al.</i>	514	2	

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation

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